

News

From Air-Conditioning and Refrigeration Institute • 1815 N. Fort Myer Drive, Arlington, Virginia 22209
For further information contact: Ray Durazo or Susan Queeney (703) 524-8800 Telex: 89-2351

NEWS RELEASE
FOR IMMEDIATE RELEASE

April 19, 1982

ARI ANNOUNCES FEBRUARY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- February U.S. shipments of unitary air-conditioners and heat pumps were 122,988. This was a decrease of 37% from February, 1981. Year-to-date shipments were 250,983, down 34.7% as compared to January-February figures a year ago.

Included in the total figures were February shipments of heat pumps which were 25,293. This is a decrease of 37.6% compared to shipments in February, 1981. The cumulative shipments for heat pumps for the first two months of 1981 were 53,483. This is a decrease of 37% from the same period of 1981.

February factory stocks are up 57,000 units over January and are up about 157,000 units compared to February, 1981.

Distributor inventories are up 14,000 units compared to January and are down 6,000 units from February, 1981.

February U.S. dollar bookings of large tonnage liquid chillers were down 7% thus making the year-to-date down 8% compared with 1981.

February U.S. dollar bookings of reciprocating liquid chillers were up 44% with a year-to-date gain of 23%.

#

#

#

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed
Summary by Size of United States Manufacturers'
Shipments Expanded to Industry

Date FEB. 1982

				UNITED STATES							
				NUMBER OF UNITS							
		CONDENSER-TYPE				% CHGE. FROM 1981					
SIZE BTUH (000)		AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C							
CONDENSED SUMMARY BY SIZE	Under 16.5	2295		2295	19.3-						
	16.5-21.9	12059	12	12071	40.2-						
	22-26.9	22930	2	22932	43.7-						
	27-32.9	22407	13	22420	39.9-						
	33-38.9	26906	24	26930	35.8-						
	39-43.9	8492	18	8510	39.7-						
	44-53.9	10651		10651	37.1-						
	54-64.9	10381	82	10463	28.0-						
	65-96.9	2420	31	2451	5.5-						
	97-134.9	1722	41	1763	5.4-						
	135-184.9	1083	15	1098	13.1-						
	185-249.9	505	22	527	27.0+						
	250-319.9	229	48	277	16.4+						
	320-379.9	134	24	158	17.9+						
	380-539.9	176	14	190	41.8+						
	540-639.9	114	1	115	23.7+						
	640 and over	137		137	53.9+						
TOTAL		122641	347	122988	37.0-						

News

From Air-Conditioning and Refrigeration Institute • 1815 N. Fort Myer Drive, Arlington, Virginia 22209
For further information contact: Lane Johnston or Susan Queeney (703) 524-8800 Telex: 89-2351

May 25, 1982

FOR IMMEDIATE RELEASE

ARI ANNOUNCES MARCH UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- March U.S. shipments of unitary air-conditioners and heat pumps were 163,828. This was a decrease of 28.7% from March, 1981. Year-to-date shipments were 414,811, down 32.4% as compared to January-March figures a year ago.

Included in the total figures were March shipments of heat pumps which were 32,759. This is a decrease of 29.4% compared to shipments in March, 1981. The cumulative shipments for heat pumps for the first 3 months of 1982 were 86,242. This is a decrease of 34.3% from the same period of 1981.

March factory stocks are up 19,000 units over February and are up about 177,000 units compared to March, 1981.

March distributor shipments were down 22% from March a year ago. The year-to-date shipments are down 24%.

Distributor inventories are up 9,000 units compared to February and are down some 29,000 units from March, 1981.

March U.S. dollar bookings of Large Tonnage Liquid Chillers were up 10% thus making the year-to-date down 1% compared with 1981.

March U.S. dollars bookings of reciprocating liquid chillers were up 20% with a year-to-date gain of 21%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed
Summary by Size of United States Manufacturers'
Shipments Expanded to Industry

Date MARCH, 1982

				UNITED STATES					
				NUMBER OF UNITS					
		CONDENSER-TYPE				% CHGE. FROM 1981			
SIZE BTUH (000)		AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C					
CONDENSED SUMMARY BY SIZE	Under 16.5	2693		2693	23.2+				
	16.5-21.9	13382	23	13405	31.6-				
	22-26.9	29088	5	29093	34.6-				
	27-32.9	30088	21	30109	35.8-				
	33-38.9	36906	71	36977	32.2-				
	39-43.9	14086	24	14110	20.4-				
	44-53.9	14292		14292	26.4-				
	54-64.9	14134	121	14255	15.9-				
	65-96.9	3919	104	4023	30.2+				
	97-134.9	2158	92	2250	.6+				
	135-184.9	1238	32	1270	4.8+				
	185-249.9	364	32	396	28.5-				
	250-319.9	274	21	295	15.2-				
	320-379.9	169	46	215	7.0+				
	380-539.9	195	7	202	59.1+				
	540-639.9	108	6	114	14.0+				
	640 and over	125	4	129	17.3+				
TOTAL		163219	609	163828	28.7-				

News

From Air-Conditioning and Refrigeration Institute • 1815 N. Fort Myer Drive, Arlington, Virginia 22209
For further information contact: Lane Johnston or Susan Queeney (703) 524-8800 Telex: 89-2351

NEWS RELEASE
FOR IMMEDIATE RELEASE

June 17, 1982

ARI ANNOUNCES APRIL UNITARY SHIPMENTS

ARLINGTON, VA. -- April U.S. shipments of unitary air-conditioners and heat pumps were 185,239. This was a decrease of 21.1% from April, 1981. Year-to-date shipments were 600,050, down 29.3% as compared to January-April figures a year ago.

Included in the total figures were April shipments of heat pumps which were 29,952. This is a decrease of 37.1% compared to shipments in April, 1981. The cumulative shipments for heat pumps for the first four months of 1982 were 116,194. This is a decrease of 35% from the same period of 1981.

April factory stocks are up 18,000 units over March and are up about 178,500 units compared to April, 1981.

April distributor shipments were down 31% from April a year ago. The year-to-date shipments are down 27%. Distributor inventories are up 8,000 units compared to March and are up some 1,000 units over April, 1981.

April U.S. dollar bookings of large tonnage liquid chillers were down 60% thus making the year-to-date down 25% compared with 1981.

April U.S. dollar bookings of reciprocating liquid chillers were down 23% with a year-to-date gain of 5%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed
Summary by Size of United States Manufacturers'
Shipments Expanded to Industry

Date APRIL, 1982

				UNITED STATES					
		NUMBER OF UNITS							
		CONDENSER-TYPE							
SIZE BTUH (000)		AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHGE. FROM 1981				
CONDENSED SUMMARY BY SIZE	Under 16.5	2548		2548	42.2+				
	16.5-21.9	11854	28	11882	43.1-				
	22-26.9	37539	12	37551	21.3-				
	27-32.9	34272	32	34304	26.5-				
	33-38.9	43753	114	43867	16.9-				
	39-43.9	14748	14	14762	21.2-				
	44-53.9	14047		14047	27.9-				
	54-64.9	16024	200	16224	6.0-				
	65-96.9	4697	113	4810	23.1+				
	97-134.9	2176	96	2272	10.6-				
	135-184.9	1371	48	1419	18.6-				
	185-249.9	592	29	621	18.7+				
	250-319.9	286	13	299	13.3-				
	320-379.9	223	18	241	36.9+				
	380-539.9	183	3	186	5.7+				
	540-639.9	103		103	21.2+				
	640 and over	103		103	19.5-				
TOTAL		184519	720	185239	21.1-				

10300-1.301 7/17/82

News

From Air-Conditioning and Refrigeration Institute • 1815 N. Fort Myer Drive, Arlington, Virginia 22209
For further information contact: Lane Johnston or Susan Queeney (703) 524-8800 Telex: 89-2351

FOR IMMEDIATE RELEASE

JULY 14, 1982

ARI REPORTS 1981 RESIDENTIAL INSTALLATIONS OF UNITARY EQUIPMENT INCREASED
AND COMMERCIAL INSTALLATIONS DECREASED

ARLINGTON, VIRGINIA — Shipments of unitary air-conditioning equipment for use in residential installations increased 6.3% in 1981 and commercial installations increased 20.8% from 1980 figures, the Air-Conditioning and Refrigeration Institute announced this week.

There were 1,828,991 residential units shipped last year, accounting for 77.3% of installations. A total of 538,492, or 22.7% were for commercial installations.

The 1981 figures are in marked contrast to those posted in 1953, the first year for which statistics were available, when 66.9% of total unitary

shipments went into commercial installations and only 33.1% into residential. However, the residential share passed the commercial portion two years later when it accounted for 56.5% of units shipped and has steadily drawn away from commercial installations.

The following tabulation shows the changing pattern in the shares of residential and commercial applications, and of exports, the latter first being reported in 1960.

<u>1953</u>		<u>% of Total</u>
Total	126,813	
Residential	41,992	33.1
Commercial	84,821	66.9
<u>1954</u>		
Total	160,909	
Residential	80,001	49.7
Commercial	80,908	50.3
<u>1955</u>		
Total	196,861	
Residential	111,158	56.5
Commercial	85,703	43.5
<u>1956</u>		
Total	254,403	
Residential	147,224	57.9
Commercial	107,179	42.1
<u>1957</u>		
Total	217,042	
Residential	126,071	58.1
Commercial	90,971	41.9
<u>1958</u>		
Total	230,541	
Residential	140,988	61.2
Commercial	89,553	38.8

1959

Total	306,814	
Residential	191,923	62.6
Commercial	114,891	37.4

1960% of U.S.

Total Shipments	350,442	
Export	9,300	
Total U.S.	341,122	
Residential	217,148	63.7
Commercial	123,974	36.3

1961

Total Shipments	365,764	
Export	9,558	
Total U.S.	356,206	
Residential	238,206	66.9
Commercial	118,000	33.1

1962

Total Shipments	467,719	
Export	12,211	
Total U.S.	455,508	
Residential	305,190	67.0
Commercial	150,318	33.0

1963

Total Shipments	580,099	
Export	14,444	
Total U.S.	565,655	
Residential	400,759	70.8
Commercial	164,896	29.2

1964

Total Shipments	701,569	
Export	17,233	
Total U.S.	684,336	
Residential	483,593	70.7
Commercial	200,743	29.3

1965

Total Shipments	826,422	
Export	20,682	
Total U.S.	805,740	
Residential	580,997	72.1
Commercial	224,743	27.9

1966% of U.S.

Total Shipments	958,546	
Export	20,663	
Total U.S.	937,883	
Residential	652,736	69.6
Commercial	285,147	30.4

1967

Total Shipments	1,047,231	
Export	25,179	
Total U.S.	1,022,052	
Residential	714,025	69.9
Commercial	308,027	30.1

1968

Total Shipments	1,234,611	
Export	30,412	
Total U.S.	1,204,199	
Residential	847,387	70.4
Commercial	356,812	29.6

1969

Total Shipments	1,635,025	
Export	33,681	
Total U.S.	1,601,344	
Residential	1,174,570	73.3
Commercial	426,774	26.7

1970

Total Shipments	1,616,018	
Export	44,027	
Total U.S.	1,571,991	
Residential	1,172,223	74.6
Commercial	399,768	25.4

1971

Total Shipments	1,876,879	
Export	43,561	
Total U.S.	1,833,318	
Residential	1,408,413	76.8
Commercial	424,905	23.2

1972

Total Shipments	2,436,455	
Export	44,125	
Total U.S.	2,392,330	
Residential	1,826,519	76.3
Commercial	565,811	23.7

1973% of U.S.

Total Shipments	2,839,434
Export	71,642
Total U.S.	2,767,792
Residential	2,147,546
Commercial	620,246

77.6
22.4

1974

Total Shipments	2,488,828
Export	99,404
Total U.S.	2,389,424
Residential	1,889,577
Commercial	499,847

79.1
20.9

1975

Total Shipments	1,622,497
Export	81,013
Total U.S.	1,541,484
Residential	1,174,578
Commercial	366,906

76.2
23.8

1976

Total Shipments	2,327,559
Export	168,349
Total U.S.	2,159,210
Residential	1,700,682
Commercial	458,528

78.8
21.2

1977

Total Shipments	2,615,121
Export	150,681
Total U.S.	2,464,440
Residential	1,999,924
Commercial	464,516

81.2
18.8

1978

Total Shipments	2,821,479
Export	106,842
Total U.S.	2,714,637
Residential	2,284,530
Commercial	430,107

84.2
15.8

1979% of U.S.

Total Shipments	2,793,910	
Export	113,313	
Total U.S.	<u>2,680,597</u>	
Residential	2,158,237	80.5
Commercial	522,360	19.5

1980

Total Shipments	2,293,080	
Export	126,366	
Total U.S.	<u>2,166,714</u>	
Residential	1,720,849	79.4
Commercial	445,865	20.6

1981

Total Shipments	2,498,252	
Export	130,769	
Total U.S.	<u>2,367,483</u>	
Residential	1,828,991	77.3
Commercial	538,492	22.7

News

From Air-Conditioning and Refrigeration Institute • 1815 N. Fort Myer Drive, Arlington, Virginia 22209
For further information contact: Lane Johnston or Susan Queeney (703) 524-8800 Telex: 89-2351

FOR IMMEDIATE RELEASE

July 14, 1982

ARI REPORTS VALUE OF UNITARY AIR-CONDITIONING EQUIPMENT \$6.8 BILLION
DURING 1981

ARLINGTON, VIRGINIA — The installed value of unitary air-conditioning equipment in the United States during 1981 increased by 31.3% from the 1980 installed value, the Air-Conditioning and Refrigeration Institute reported recently.

Installed value of unitary equipment reached \$6,811,553,407 up from the 1980 figure of \$5,186,009,664.

Commercial installation accounted for \$2,560,644,264 of the total while residential unitary installed value came to \$4,250,909,143, according to estimates compiled by ARI's Business Research Department from information supplied by manufacturers.

"Installed value" covers not only the cost of unitary air-conditioners as shipped from the factory, but also labor, ductwork, registers and grilles, thermostatic and other controls, electrical wiring and other components of the system which is engineered by the contractor or dealer.

"Unitary" represents the equipment used in most central residential installations plus some commercial and industrial installations which use packaged equipment.

The totals below show the growth of the unitary air-conditioning market over the past 26 years, particular central residential installations:

ESTIMATED INSTALLED VALUE OF UNITARY AIR-CONDITIONERS

<u>YEAR</u>	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>TOTAL</u>
1956	\$ 174,011,400	\$ 290,796,100	\$ 464,807,500
1957	176,230,800	226,582,300	402,813,100
1958	204,602,850	219,489,200	424,092,050
1959	266,675,850	283,136,700	549,812,550
1960	318,477,150	312,648,350	631,125,500
1961	338,139,000	280,286,300	618,425,300
1962	408,623,850	345,652,300	754,276,150
1963	451,360,800	390,610,800	841,971,600
1964	532,020,800	464,249,600	996,270,400
1965	632,567,600	543,029,600	1,175,597,200
1966	718,252,000	671,604,400	1,389,856,400
1967	783,604,000	749,020,000	1,532,624,000
1968	950,191,600	834,616,000	1,784,807,600
1969	1,295,766,400	981,417,200	2,277,183,600
1970	1,360,817,315	986,784,758	2,347,602,073
1971	1,649,497,029	1,095,759,074	2,745,256,103
1972	2,163,792,878	1,352,464,750	3,516,257,628
1973	2,582,223,238	1,570,293,453	4,152,516,691
1974	2,433,902,714	1,477,470,080	3,911,372,794
1975	1,791,216,492	1,164,231,182	2,955,447,674
1976	2,683,372,806	1,437,146,797	4,120,519,603
1977	3,264,487,814	1,541,671,701	4,806,159,515
1978	3,940,958,613	1,587,475,305	5,528,433,918
1979	3,990,624,988	1,945,812,933	5,936,442,921
1980	3,355,429,440	1,830,580,224	5,186,009,644
1981	4,250,909,143	2,560,644,264	6,811,553,407